

**Semester Overview 2021 -2022**

<b>Class: 8</b>		<b>April 2021 - October 2021</b>
<b>Subject</b>	<b>Name of Units/Chapter</b>	<b>Skills</b>
<b>ENGLISH</b>	<p><b>Where the Mind is Without Fear</b> (Poem)</p> <p><b>The Adventure of the Dying Detective</b> (Prose)</p> <p><b>The Ant-Lion</b> (Prose)</p> <p><b>On the Grasshopper and Cricket</b> (Poem)</p> <p><b>The World-Renowned Nose</b> (Prose)</p> <p><b>The West Wind</b> (Poem)</p> <p><b>Homeless</b> (Poem)</p>	<p><b>Reading and viewing:</b></p> <ul style="list-style-type: none"> <li>• Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialised language, including literature from modern and ancient cultures, short stories, novels, non-fiction and instructional material, reports and articles, advertising and promotional materials, authentic texts, poems and plays in a variety of forms.</li> <li>• Demonstrate comprehension of visual texts with specialized features and complex ideas (e.g., visual components of media such as magazines, newspapers, web sites, reference books, graphic novels, broadcast media, videos, advertising and promotional materials)</li> <li>• Select and use various strategies <i>before reading</i> and viewing to develop understanding of text, including setting a purpose, accessing prior knowledge to make and share</li> </ul>

		<p>connections, making predictions, asking questions, previewing texts</p> <ul style="list-style-type: none"><li>• Select and use various strategies during reading and viewing to construct, monitor, and confirm meaning, including predicting, making connections, asking and answering questions, making inferences and drawing conclusions, figuring out unknown words, reading selectively, determining the importance of ideas/events, summarizing and synthesizing, identifying facts, opinions and writers'/ narrator's/ characters' bias</li><li>• Select and use various strategies after reading and viewing to confirm and extend meaning, including making inferences and drawing conclusions, reflecting and responding, using graphic organizers to record information and summarizing and synthesizing</li><li>• Respond to selections they read or view, by expressing opinions and making judgements supported by reasons, explanations, and evidence, explaining connections (text-to-self, text-to-text, and text-to-world), identifying personally meaningful selections, passages, and images and comparing various viewpoints, analysing descriptive texts to infer meaning, opinion and attitude and synthesizing new ideas</li><li>• Identify how structures and</li></ul>
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		<p>features of text work to develop meaning, including form, function, and genre of text (e.g., brochure about smoking to inform students; genre is persuasive) 'text features' (e.g., copyright, table of contents, headings, index, glossary, diagrams, sidebars, hyperlink, pull-quotes) literary elements (e.g., characterization, mood, setting, viewpoint, foreshadowing, conflict, protagonist, antagonist, theme, descriptions) non-fiction elements (e.g., topic sentence, development of ideas with supporting details, central idea, evidence or example, explanation) literary devices (e.g., imagery, onomatopoeia, simile, metaphor, symbolism, personification and other figures of speech) idiomatic expressions</p> <p><b>Writing:</b></p> <ul style="list-style-type: none"><li>• Write a variety of clear personal, formal, instructional, persuasive, argumentative, imaginative and visual representations that demonstrate connections to experiences, ideas, opinions and visual clues.</li><li>• Clearly develop ideas, mood and setting by using effective supporting details, explanations, analysis, insights and sensory details</li><li>• Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a</li></ul>
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		<p>variety of lengths and patterns, with an increasingly fluid style, rhythm and flow</p> <ul style="list-style-type: none"><li>• Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication</li><li>• Demonstrate the effective use of tone and voice (first person, second person, omniscient narrator etc.) to suit the purpose and audience</li><li>• Use a format and/or organisation that is meaningful, logical, effective and appropriate to the purpose and audience with an appropriate beginning (e.g. salutation in a letter, address, indentation etc.) middle (subject line, paragraphing etc.) and ending (closing etc.)</li><li>• Demonstrate effective control over all aspects of coherence and cohesion (cohesive devices, referencing, substitution, sequence markers, establishing logical relationships, conjunctions, connectives etc.)</li><li>• Select and use various strategies before writing and representing, including establishing a purpose, identifying an audience, genre, and form and generating, selecting, developing, and organizing ideas from personal interest, prompts, texts,</li></ul>
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		<p>and/or research</p> <ul style="list-style-type: none"><li>• Select and use various strategies during writing and representing to express and refine thoughts, including analysing models of literature accessing multiple sources of information consulting reference materials considering and applying feedback from discussions to revise ideas, organization, voice, word choice, and sentence fluency revising and editing</li><li>• Select and use various strategies after writing and representing to improve their work, including checking their work against established criteria revising to enhance writing traits (e.g., ideas, sentence fluency, word choice, voice, organization) editing for conventions (e.g., grammar and usage, capitalization, punctuation, spelling)</li><li>• Use writing and representing to critique, express personal responses and relevant opinions, and respond to experiences and texts Write short pieces of continuous prose in response to questions by developing explanations, analysing the relationships in ideas and information, making generalizations, speculating about alternative viewpoints, providing supporting evidence and presenting personal opinions.</li></ul>
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		<ul style="list-style-type: none"> <li>• Use punctuation and other structural clues to infer and convey meaning</li> <li>• Select and use words (verbs, noun phrases, adjectives and adjective phrases, adverbs, modifiers) to convey precise meaning, nuances, intensity, mood, attitude, register, tone and opinion</li> <li>• Identify and use synonyms and paraphrase effectively</li> <li>• Identify and record how descriptive language is used in texts to convey meaning</li> <li>• Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning</li> <li>• Demonstrate an awareness of style and collocation</li> <li>• Demonstrate full control over spelling and word formation</li> </ul>
<p><b>HINDI</b></p>	<p><b>Chapter 1:</b> Itne unche utho</p> <p><b>Chapter 2:</b> Khule Aakash me</p> <p><b>Chapter 3:</b> Laakh ki churiyan</p> <p><b>Along with Abyas Pustika and Sparsh Vyakaran</b></p>	<p><b>Reading</b></p> <ul style="list-style-type: none"> <li>• Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialised language</li> <li>• Use a variety of before, during and after reading strategies to make meaning and locate information</li> <li>• Identify how structures and features of text work to develop meaning</li> <li>• Read complex texts actively and comprehend the literal and figurative uses of language</li> </ul>

		<ul style="list-style-type: none"><li>• Continue to use resources to increase vocabulary and gain deeper understanding by using context clues</li><li>• Summarize stories and discuss author's use of word choice</li></ul> <p><b>Writing</b></p> <ul style="list-style-type: none"><li>• Write short and long answers (vistar me uttar dena) to convey information or opinions with increasing clarity</li><li>• Write a variety of clear personal, formal, instructional, persuasive, argumentative, imaginative and visual representations that demonstrate connections to experiences, ideas, opinions and visual clues (essays upto 200 words, news article writing, diary writing, and picture composition).</li><li>• Use a format and/or organisation that is meaningful, logical, effective and appropriate to the purpose and audience with an appropriate beginning (e.g salutation in a letter, address, indentation etc.) middle (subject line, paragraphing etc.) and ending (closing etc.)</li><li>• Use writing and representing to critique, express personal responses and relevant opinions, and respond to experiences and texts</li><li>• Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a variety of lengths and patterns, with an increasingly fluid style, rhythm and flow</li></ul>
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		<ul style="list-style-type: none"><li>• Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication</li><li>• Demonstrate fluent and precise transitions between sentences, ideas, and paragraphs</li><li>• Demonstrate the effective use of tone and voice to suit the purpose and audience</li><li>• Use the features and conventions of language accurately to express meaning in writing and representing</li><li>• Comprehend unseen passages, analyze and give logical answers</li><li>• Choose and use a relevant pre-writing strategy that will help to prepare for the assignment</li><li>• Review, revise and edit writing in order to improve it</li><li>• Evaluate own and other's writing according to established criteria and rubrics</li><li>• Use the help of computer to write articles, poems, stories or news</li></ul> <p><b>Listening and speaking</b></p> <ul style="list-style-type: none"><li>• Listen critically to understand and analyse ideas and information using effective listening strategies</li><li>• Select and use various strategies when listening to make and clarify meaning</li><li>• Speak and listen to interact with others for a variety of purposes</li></ul>
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		<ul style="list-style-type: none"><li>• Speak to explore, express, and present a range of ideas, information, and feelings for different purposes and audiences using a variety of strategies</li><li>• Select and use various strategies when interacting with others</li><li>• Select and use various strategies when expressing and presenting ideas, information, and feelings</li><li>• Demonstrate enhanced knowledge of vocabulary and its usage</li><li>• Recognize and apply the features of oral language to convey and derive meaning</li><li>• Respond to selections they read or view, by expressing opinions and making judgements supported by reasons, explanations, and evidence, explaining connections</li></ul> <p><b>Grammar</b></p> <ul style="list-style-type: none"><li>• Identify and explain how syntactic and structural features convey meaning.</li><li>• Use all four forms of 'Ra'( Padon, Ref etc) in words</li><li>• Understand Tatsam and tadbhav</li><li>• Understand the difference between ki and kii</li><li>• Understand sanyukt akshar and Sanyukt vyanjan</li><li>• Identify and use 'Nipaata' (To, bhi, par)</li><li>• Use tenses (past, present and future) accurately to convey time and sequence of events</li></ul>
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		<ul style="list-style-type: none"><li>• Understand different types of sentences (simple, compound and complex)</li><li>• Identify and use noun( vyakti vachak, jati vachak and bhavvachak sangya with examples and uses) and pronoun (purush vachak, prashan vachak, sambandh vachak, nij vachak and nishay and anishchay vachak with examples and uses)</li><li>• Use direct and indirect speech effectively with appropriate punctuation</li><li>• Identify and use antonyms, synonyms, gender, singular, plural and paraphrase effectively</li><li>• Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning</li><li>• Demonstrate full control over spelling and word formation</li><li>• Use karak chinha, prefix and suffix and also identify vartini ki ashudhiyan</li><li>• Demonstrate effective control over use of verbs (types of verbs 'akarmak aur sakarmak kriya)</li><li>• Understand use of adverbs</li><li>• Format of the text</li><li>• Demonstrate effective control over use of verbs, adjectives and noun</li><li>• Use direct and indirect speech effectively with appropriate punctuation</li><li>• Demonstrate full control over spelling and word formation</li></ul>
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		<ul style="list-style-type: none"> <li>• Use punctuation and other structural clues to infer and convey meaning</li> </ul>
<p><b>MATHS</b></p>	<p><b>Number Sense:</b></p> <ul style="list-style-type: none"> <li>• Exponents</li> <li>• Square and Square roots</li> <li>• Cubes and Cube roots</li> <li>• Algebraic Expressions</li> <li>• Linear Equations in one variable</li> </ul>	<ul style="list-style-type: none"> <li>• Write repeated multiplication and division using integers as exponents</li> <li>• Describe and verify laws of exponents with integral powers</li> <li>• Find squares, square roots, cubes, cube roots of number</li> <li>• Find square and square roots</li> <li>• Undertake calculating square roots using the factor and division method for numbers containing; no more than 4 digits and no more than 2 decimal places</li> <li>• Find cubes and cube roots</li> <li>• Learn the process of moving nearer to the required number</li> <li>• Define variables, algebraic expressions and degree of polynomial</li> <li>• Classify the given expressions according to the number of terms they have/their degree</li> <li>• Identify like/unlike terms in a polynomial</li> <li>• Perform operations on algebraic expressions</li> <li>• Solve real-world problems in which phrases are translated into algebraic expressions</li> <li>• Simplify the complex algebraic expressions</li> <li>• Translate phrases (real-world problems) in algebraic expressions</li> <li>• Define subject in a formula</li> </ul>

	<p><b>Geometry:</b></p> <ul style="list-style-type: none"> <li>• Understanding Shapes</li> <li>• Parallelograms</li> </ul> <p><b>Mensuration:</b></p> <p><b>Data Handling:</b></p> <ul style="list-style-type: none"> <li>• Graphical</li> </ul>	<ul style="list-style-type: none"> <li>• Change the subject of a formula according to the need</li> <li>• Find the value of the subject for a given set (values) of other variables</li> <li>• Define a linear equation and simple linear equation</li> <li>• Describe the rules to solve a simple linear equation</li> <li>• Explain the rules of transposition</li> <li>• Apply the rules for solving a simple linear equations to solve word problems</li> <li>• Classify quadrilaterals by angles/sides</li> <li>• Describe the terminology used with quadrilaterals</li> <li>• Describe the properties of different types of quadrilateral</li> <li>• Find unknown angle measures in given quadrilaterals</li> <li>• State/Apply theorems involving properties of a quadrilateral</li> <li>• Define polygon, interior and exterior angles of a polygon</li> <li>• Classify polygons according to the number of sides and angles</li> <li>• Distinguish between regular and irregular polygons</li> <li>• State different units of measurements</li> <li>• Apply the concepts of mensuration to solve real world problems</li> <li>• Collect/Organize data for appropriate statistical analysis</li> </ul>
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		<p>units</p> <ul style="list-style-type: none"><li>• Solve simple problems based on kinetic energy</li><li>• Define potential energy</li><li>• Define gravitational potential energy</li><li>• Solve simple problems based on gravitational potential energy</li><li>• Describe energy transformation in daily life situation</li><li>• Distinguish between energy and power</li><li>• Can plan an experimental investigation or demonstration using scientific processes</li><li>• Can identify/select on the basis of attributes</li></ul>
<b>CHEMISTRY</b>	<p><b>Chapter 1:</b> Matter</p> <p><b>Chapter 2:</b> Physical and chemical change</p> <p><b>Chapter 3:</b> Elements compounds and mixtures</p>	<ul style="list-style-type: none"><li>• Describe the main postulate of kinetic theory of matter</li><li>• Explain the reason of change of one state of matter into another</li><li>• Define and explain the law of conservation of mass using examples</li><li>• Illustrate different changes occurring in nature with examples learned in previous classes</li><li>• Perform some activities to show some well known changes</li><li>• Differentiate between physical and chemical changes and classify them</li><li>• Recall previous knowledge related to elements, compounds and mixtures</li><li>• Classify substances into elements, compounds and mixtures on the basis</li></ul>



	<p><b>Chapter 4:</b> Atomic structure</p>	<p>of their properties</p> <ul style="list-style-type: none"> <li>• Perform activities to separate components of mixture</li> <li>• Explain the principle involved in using a particular technique in separating a mixture</li> <li>• Describe that an atom consists of electrons, protons and neutrons.</li> <li>• Define atomic number and mass number.</li> <li>• Discuss valency of elements and radicals with respect to the number of hydrogen atoms combining with one atom of the element.</li> </ul>
<p><b>BIOLOGY</b></p>	<p><b>Chapter 1:</b> Transport in plants</p> <p><b>Chapter 6:</b> The Circulatory System</p>	<ul style="list-style-type: none"> <li>• Explain the mechanism of transport of water and minerals in plants</li> <li>• Explain the transport of prepared food in plants</li> <li>• Draw, label and explain the structure of root hair and mechanism of water absorption by the roots</li> <li>• Identify the type of movement of molecules (Osmosis, Diffusion, Active Transport) if conditions are given</li> <li>• Define and understand process of transpiration and factors affecting it</li> <li>• Enlist Uses of water in plants</li> <li>• Explain and label internal structure of heart in detail (including valves, septum; pacemaker).</li> <li>• Draw a schematic diagram of the heart; label and explain functions of blood vessels - aorta, pulmonary</li> </ul>

	<p><b>Chapter 2:</b> Reproduction in plants</p> <p><b>Chapter 3:</b> Reproduction in Humans</p>	<p>trunk, coronary artery &amp; vein, vena cava. Explain circulation of blood as double circulation.</p> <ul style="list-style-type: none"><li>• Differentiate between blood Groups (A, B, AB and O):</li><li>• Name universal donor and universal acceptor.</li><li>• Enlist and explain conditions related to the functioning of the heart: palpitations, cardiac arrest and hypertension.</li><li>• Explain lymphatic system as a parallel circulatory system</li></ul> <ul style="list-style-type: none"><li>• Define and understand the importance of reproduction</li><li>• Differentiate between asexual and sexual reproduction.</li><li>• Enlist explain and give examples for various methods of asexual reproduction in plants</li><li>• Draw, label and identify the importance of various parts of plants</li><li>• Explain the process of sexual reproduction in plants</li><li>• Dissect a flower and identify its parts</li><li>• Define and understand the types of pollination</li></ul> <ul style="list-style-type: none"><li>• Label the diagrams of male and female human reproductive systems</li><li>• Comprehends the functioning of human reproductive system</li><li>• Comprehend the different changes that occur during puberty</li><li>• Address the problems of adolescence</li></ul>
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<b>GEOGRAPHY</b>	<b>Unit 1:</b> Population Dynamics  <b>Unit 2:</b> Migration  <b>Unit 3:</b> Urbanisation  <b>Unit 4:</b> Natural and Man made disasters	<ul style="list-style-type: none"><li>• Understand the distribution of population in the world</li><li>• Identify and describe factors affecting the population of a place</li><li>• Distinguish between over population and under population and its impact on society</li><li>• Understand the composition of population - Learn correlation between elements like age, sex, urban, rural; Population pyramid</li> <li>• Differentiate between the two terms "immigration" and emigration</li><li>• Explain the reason for migration from and to any area</li><li>• Analyze the migration of any area</li><li>• Identify the regions of the world where huge migration took place during historical period</li><li>• Explain the meaning of "brain drain" in India</li><li>• Identify the cause of brain drain in India</li><li>• Analyze the positive and negative impact of brain drain in India</li> <li>• Describe the term urbanisation</li><li>• Identify causes of urbanisation</li><li>• Describe the impact of urbanisation</li><li>• Differentiate a smart city from any other urban center</li> <li>• Differentiate between man made and natural disasters</li><li>• Discuss importance of disaster management</li><li>• Demonstrate (through drill)</li></ul>
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	<p><b>Unit 5:</b> Asia: The largest continent</p> <p><b>Unit 6:</b> Asia: Climate and Natural vegetation</p>	<p>measures to be taken during any disaster</p> <ul style="list-style-type: none"> <li>● Describe the causes, effect and impact of various kinds of disaster</li> <li>● List the measures to be adopted to prevent disaster</li> <li>● The location of Asia and extent in the northern hemisphere.</li> <li>● Physical features of different political zones of Asia: Lowlands, highlands, plateaus, river valleys, islands</li> <li>● Climate of Asia: Factors affecting and types</li> <li>● Natural vegetation and wildlife</li> </ul>
<p><b>ICT</b></p>	<p><b>Unit 2:</b> Working with HTML</p> <p><b>Unit 5:</b> Introduction to visual basic</p>	<ul style="list-style-type: none"> <li>● Creating lists</li> <li>● Nesting lists</li> <li>● Inserting Images</li> <li>● Inserting an Image as background</li> <li>● Creating Tables</li> <li>● Creating Hyperlinks / Linking</li> <li>● The &lt;Marquee&gt; Tag</li> <li>● Elements of Visual basic</li> <li>● Form object</li> <li>● Common controls</li> <li>● Components of a program</li> <li>● Literals, data types, keywords, literals, operators</li> <li>● Decision making statements (if-else and if-else-if)</li> </ul>

<p><b>GUJARATI</b></p>	<p><b>Chapter 1:</b> Chabutaro</p> <p><b>Chapter 2:</b> Parvat Tara</p> <p><b>Chapter 3</b> Mahenat no Rotlo</p>	<p><b>Listening and speaking:</b></p> <ul style="list-style-type: none"><li>• Vary the use of vocabulary and level of detail according to purpose</li><li>• Listen carefully in discussion, contribute with relevant comments and questions</li><li>• Adapt the pace and volume of speaking when performing or reading aloud</li><li>• Understand the gist or the significant points of an account</li><li>• Speak on any topic confidently</li></ul> <p><b>Grammar:</b></p> <ul style="list-style-type: none"><li>• Establish the use of punctuation marks (question mark, full stop, comma, exclamation)</li><li>• Establish the use of tenses</li><li>• Understand one word for a group of words, rhyming words, gender related words, singular-plural (vachan), adjective</li><li>• Identify a noun, pronoun, verb (kriya shabd) and adjective through reading comprehension</li></ul> <p><b>Reading:</b></p> <ul style="list-style-type: none"><li>• Read independently on any topic with expressions</li><li>• Read using the help of all matras</li><li>• Pronounce all the words correctly and clearly while reading and be able to understand their mistakes and try to correct them on their own</li><li>• Read articles, stories, dramas, jokes and poems with expression and correct articulation and enunciation</li><li>• Develop an awareness of the use of</li></ul>
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		<p>tenses while reading</p> <p><b>Writing:</b></p> <ul style="list-style-type: none"><li>• Write short and long answers on their own (2-4 sentences)</li><li>• Write correct sentences while following grammatical rules</li><li>• Write small essays (100-150 words) and poems on their own</li><li>• Write a character sketch (at least 10 sentences)</li><li>• Write their views and experiences in their own words using correct language</li></ul>
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